## The enterprise notebook that's anything but ordinary

Equip your high-producing teams with the Al-enhanced PC that delivers the power of the latest Intel® Core™ processor² with an NPU³, HP Wolf Security, and intuitive collaboration tools they need for working in the office or in a hybrid setting. The HP EliteBook 840 effectively meets the demands of multi-tasking teams across the globe.

# Engineered for long lasting productivity from anywhere

Empower your hybrid workforce with the elevated conferencing capabilities, easily managed security, and Al-driven performance from the latest Intel® Core™ processor² with an NPU³ in the sleek HP EliteBook 840 purpose built for demanding enterprise workloads.

# Collaboration personalized to you

Move freely and interact naturally using speakers tuned by Poly Studio with Al Noise Reduction  $^4$  and a 5MP camera, Dynamic Color Tuning  $^4$ , and optional automatic framing.  $^5$  Expand collaboration opportunities with optional high-speed  $5G^6$  connectivity.

# Protected by HP Wolf Security

HP Wolf Security for Business creates a hardware-enforced, always-on, resilient defense. From the BIOS to the browser, above, in, and below the OS, these constantly evolving solutions help protect your PC from modern threats.<sup>7</sup>



\*Product image may differ from actual product

Sustainability in action

## Help protect our shared future

This PC contains at least 75-percent post-consumer recycled plastic in the bezel<sup>8</sup> and provides power data tracking and suggestions to reduce energy use representing the latest in responsible design from HP.<sup>9</sup>



### **Featuring**

#### HP Recommends Windows 11 Pro for business with Copilot in Windows

Work anywhere without compromising on performance with Windows 11<sup>1</sup> and HP collaboration, security, and connectivity technology. Summarize and rewrite content, get relevant content recommendations, and stay organized with Copilot in Windows.<sup>10</sup>

#### Intel® powers PCs enhanced by AI

Free up time to focus on what matters with an Intel® Core™ 2 processor purposely built for the next era of AI software. Three compute engines³ manage AI workloads, help improve video conferencing, and allow for advanced content creation.

#### **HP Smart Sense**

Enjoy long battery life managed by Al and HP Smart Sense<sup>11</sup> that adapts to power needs. The PC will switch to performance mode when you need the most power and back to comfort mode that helps keep your pc cool and quiet during simple tasks.

#### Easy battery management

 $Manage\ and\ monitor\ your\ battery's\ performance\ and\ condition\ and\ customize\ charging\ options\ with\ the\ easy-to-use\ HP\ Power\ Manager\ dashboard.^4$ 

#### Balanced light for a clear image

Make sure you can clearly be seen on calls with Dynamic Color Tuning<sup>4</sup> that adjusts camera auto-color and auto-white balance for a more natural color when you are in front of a monochromatic background.

#### Hear and be heard

Dynamic Voice Leveling<sup>4</sup> automatically optimizes voice clarity within 3-meters of the PC. Al Noise Reduction<sup>4</sup> uses noise-filtering technology to enhance audio conferencing experiences.

#### Believing is seeing

Get captivating definition and color on the optional 14-inch diagonal QHD display. 12

#### **Automatic framing**

Move around a little without losing viewers' attention during video calls with automatic framing.<sup>5</sup> The optional 5MP IR camera and audio follow you or multiple presenters as they move within the camera's frame.

#### See colors as they should be

Make the color of your screen look consistent in any light with Adaptive Color<sup>11</sup> that adjusts your display automatically to the ambient light in the room to represent the true color of the content being displayed.

#### Comfortable viewing

Optional TÜV certified HP Eye Ease low blue light anti-glare panels<sup>13</sup> help remove blue light waves while preserving vivid color accuracy.

#### Stay connected

Your "office" can be where you need it, letting you connect almost anywhere with optional support for up to 5G wireless broadband technology with 4x4 antennas that can deliver fast download and upload speeds.

#### Fast and efficient wireless LAN

The portability of your PC and the reliability of a fast connection determines where you can work. Get a fast and reliable connection in dense wireless environments with gigabit data rate Wi-Fi 6E.<sup>14,15</sup>



### **Technical specifications**

Technical specifications	
Available Operating Systems	Windows 11 Pro <sup>1</sup> Windows 11 Home - HP recommends Windows 11 Pro for business <sup>1</sup> Windows 11 Home Single Language - HP recommends Windows 11 Pro for business <sup>1</sup> Windows 11 Pro Education <sup>1</sup> Windows 11 Pro (Windows 11 Enterprise or Windows 10 Enterprise available with a Volume Licensing Agreement) <sup>1</sup>
Processor family	Intel® Core™ Ultra 5 processor Intel® Core™ Ultra 7 processor
Available Processors <sup>2,3,4,35</sup>	Intel® Core™ Ultra 7 155H (up to 3.8 GHz E-core Max Turbo frequency, up to 4.8 GHz P-core Max Turbo frequency, 24 MB L3 cache, 6 P-cores and 8 E-cores, 22 threads) Intel® Core™ Ultra 5 125H (up to 3.6 GHz E-core Max Turbo frequency, up to 4.5 GHz P-core Max Turbo frequency, 18 MB L3 cache, 4 P-cores and 8 E-cores, 18 threads) Intel® Core™ Ultra 7 165H (up to 3.8 GHz E-core Max Turbo frequency, up to 5.0 GHz P-core Max Turbo frequency, 24 MB L3 cache, 6 P-cores and 8 E-cores, 22 threads) Intel® Core™ Ultra 7 165U (up to 3.8 GHz E-core Max Turbo frequency, up to 4.9 GHz P-core Max Turbo frequency, 12 MB L3 cache, 2 P-cores and 8 E-cores, 14 threads) Intel® Core™ Ultra 7 155U (up to 3.8 GHz E-core Max Turbo frequency, up to 4.8 GHz P-core Max Turbo frequency, 12 MB L3 cache, 2 P-cores and 8 E-cores, 14 threads) Intel® Core™ Ultra 5 135H (up to 3.6 GHz E-core Max Turbo frequency, up to 4.6 GHz P-core Max Turbo frequency, 18 MB L3 cache, 4 P-cores and 8 E-cores, 18 threads) Intel® Core™ Ultra 5 135U (up to 3.6 GHz E-core Max Turbo frequency, up to 4.4 GHz P-core Max Turbo frequency, 12 MB L3 cache, 2 P-cores and 8 E-cores, 14 threads) Intel® Core™ Ultra 5 125U (up to 3.6 GHz E-core Max Turbo frequency, up to 4.3 GHz P-core Max Turbo frequency, 12 MB L3 cache, 2 P-cores and 8 E-cores, 14 threads) Intel® Core™ Ultra 5 125U (up to 3.6 GHz E-core Max Turbo frequency, up to 4.3 GHz P-core Max Turbo frequency, 12 MB L3 cache, 2 P-cores and 8 E-cores, 14 threads)
Maximum memory	64 GB DDR5-5600 MHz RAM; (Transfer rates up to 5600 MT/s.) Dual channel support. <sup>5</sup>
Memory slots	2 SODIMM
Internal storage	512 GB up to 2 TB PCle® Gen4x4 NVMe™ M.2 SSD TLC <sup>6</sup> 256 GB up to 1 TB PCle® NVMe™ Value SSD <sup>6</sup> up to 512 GB PCle® Gen4x4 NVMe™ M.2 SED SSD TLC <sup>6</sup> up to 256 GB PCle® NVMe™ M.2 SED SSD TLC <sup>6</sup> up to 256 GB PCle® NVMe™ M.2 SED SSD <sup>6</sup>
Display size (diagonal, metric)	35.6 cm (14")
Display	35.6 cm (14") diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 400 nits, low power, 100% sRGB with HP Eye Ease; 35.6 cm (14") diagonal, WQXGA (2560 x 1600), IPS, micro-edge, anti-glare, 500 nits, 100% sRGB; 35.6 cm (14") diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 300 nits, 45% NTSC; 35.6 cm (14") diagonal, WUXGA (1920 x 1200), touch, IPS, anti-glare, 300 nits, 45% NTSC 15.16.1718.19
Available Graphics	Integrated: Intel® Arc™ Graphics; Intel® Graphics <sup>41</sup> (Support HD decode, DX12, HDMI 2.1.)
Audio	Audio by Poly Studio, dual stereo speakers with discrete amplifiers, integrated dual array microphones
Wireless technologies	Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card, vPro®; Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card, non-vPro®; Intel® Wi-Fi 7 BE200 (2x2) and Bluetooth® 5.4 wireless card, non-vPro®7 (Compatible with Miracast-certified devices.)8
Ports and connectors	2 Thunderbolt™ 4 with USB Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4); 2 USB Type-A 5Gbps signaling rate (1 charging, 1 power); 1 HDMI 2.1; 1 stereo headphone/microphone combo jack <sup>11</sup> ; (HDMI cable sold separately.); Optional Ports: 1 External Nano SIM slot for WWAN <sup>12</sup>
Input devices	HP Premium Keyboard – spill-resistant with optional backlit keyboard and Durakeys <sup>13</sup> ; Clickpad with multi-touch gesture support, taps enabled as default; Microsoft Precision Touchpad; Hall Sensor; Thermal sensor; Adaptive color sensor; HP Tamper Lock <sup>42</sup> ; Ambient light sensor
Communications	Intel® 5G Solution 5000; Qualcomm® 9205 LTE Cat-M1; HP 4000 4G LTE Advanced Pro 910,44
Camera	5 MP camera; IR Camera (select models) <sup>14</sup>
Software	Adobe offer; Bing Search for IE11; Microsoft 365 and Office (sold separately and Internet access required for activation); HP Connection Optimizer; HP Easy Clean; HP Easy Clean Keyboard Driver; HP Hotkey Support; HP MAC Address Manager; HP Notifications; HP PC Hardware Diagnostics UEFI; HP PC Hardware Diagnostics Windows; HP Power Manager; HP Smart Support <sup>57</sup> ; HP Privacy Settings; HP Support Assistant <sup>21</sup> ; HSA Fusion for Commercial; HP Services Scan <sup>20</sup> ; Copilot in Windows with Copilot key <sup>45</sup>
Security management	HP Client Security Manager; HP Sure Admin <sup>25</sup> ; HP Sure Click <sup>26</sup> ; HP Sure Recover Gen6 <sup>27</sup> ; HP Sure Run Gen5 <sup>28</sup> ; HP Sure Sense <sup>29</sup> ; HP Sure Start Gen7; HP Tamper Lock <sup>42</sup> ; Secured-Core PC Enable <sup>30</sup> ; Windows Hello Enhanced SIgn-in Security (ESS) Enable; Absolute persistence module <sup>31</sup> ; BIOS Update via Network; HP BIOSphere Gen6 <sup>32</sup> ; HP DriveLock and Automatic DriveLock; Secure Erase <sup>33</sup> ; HP Wake on WLAN; Security lock slot <sup>43</sup> ; Battery Health Manager <sup>46</sup>
Security Software Licenses	HP Wolf Pro Security Edition <sup>56</sup>
Fingerprint reader	Fingerprint sensor (select models)



## **Technical specifications**

Management features         HP Client Catalog (download) HP Client Management Script Library (download) HP Cloud Recovery <sup>22</sup> HP Connect for Microsoft Endpoint Manager HP Driver Packs (download) HP Image Assistant Gen 5 (download) HP Manageability Integration Kit (download) <sup>23</sup> HP Patch Assistant (download) <sup>24</sup> Power         HP 65 W USB Type-C* slim adapter; 65 W USB Type-C* adapter <sup>38</sup> Battery type         HP Long Life 3-cell, 56 Wh Li-ion polymer <sup>37</sup> ; Battery is internal and not replaceable by customer. Serviceable by warranty. Fast charging 50% in 30 minutes. <sup>36</sup> Battery life         Up to 15 hours and 15 minutes <sup>47</sup> Dimensions         31.56 x 22.43 x 116 cm (front); 31.56 x 22.43 x 161 cm (rear); (Front height measurement is near the front edge where the chassis bottom cover taper begins. Back height measurement is near the back edge where the chassis bottom cover taper ends.)           Weight         Starting at 1.41 kg; (Weight will vary by configuration. Does not include power adapter.)           Ecolabels         EPEAT* registered configurations available; TCO Certified configurations available; EPEAT* Gold registered in the U.S. <sup>39</sup> Energy star certified         ENERGY STAR* certified           Certification and compliance         GS Mark; CSA/UL 62368-1; FCC/ICES/CISPR/VCC; CE Marking; China CCC/SRRC; Taiwan BSMI/NCC; Korea KCC/KC/KES; Ukraine NSoC/TEC; EAEU Compliance; Saudi Arabian Compliance; Low blue light; WW RoHS           Sustainable Impact specifications         1-year warranty and 90 day software limited warranty optional extended service contracts that go beyond the standard limited warranty. Refer to		
Battery type  HP Long Life 3-cell, 56 Wh Li-ion polymer <sup>37</sup> ; Battery life  Up to 15 hours and 15 minutes <sup>47</sup> Dimensions  31.56 x 22.43 x 1.16 cm (front); 31.56 x 22.43 x 1.61 cm (rear); (Front height measurement is near the front edge where the chassis bottom cover taper begins. Back height measurement is near the back edge where the chassis bottom cover taper begins. Back height measurement is near the back edge where the chassis bottom cover taper ends.)  Weight  Starting at 1.41 kg; (Weight will vary by configuration. Does not include power adapter.)  Ecolabels  EPEAT* registered configurations available; TCO Certified configurations available; EPEAT* Gold registered in the U.S. <sup>39</sup> Energy star certified  ENERGY STAR* certified  Certification and compliance  GS Mark; CSA/UL 62368-1; FCC/ICES/CISPR/VCCI; CE Marking; China CCC/SRRC; Taiwan BSMI/NCC; Korea KCC/KC/KES; Ukraine NSoC/TEC; EAEU Compliance; Saudi Arabian Compliance; Low blue light; WW RoHS  Sustainable impact specifications  1-year warranty and 90 day software limited warranty options depending on country. Batteries have a default one year limited warranty. Refer to http://www.hp.com/support/batterywarranty/ for additional battery information. On-site service and extended coverage is also available. HP Care Pack Services Lookup Tool at:	Management features	Endpoint Manager HP Driver Packs (download) HP Image Assistant Gen 5 (download) HP Manageability Integration Kit (download) <sup>23</sup>
Battery is internal and not replaceable by customer. Serviceable by warranty. Fast charging 50% in 30 minutes. <sup>36</sup> Battery life Up to 15 hours and 15 minutes. <sup>47</sup> Dimensions 31.56 x 22.43 x 1.16 cm (front); 31.56 x 22.43 x 1.61 cm (rear); (Front height measurement is near the front edge where the chassis bottom cover taper begins. Back height measurement is near the back edge where the chassis bottom cover taper ends.)  Weight Starting at 1.41 kg; (Weight will vary by configuration. Does not include power adapter.)  Ecolabels EPEAT* registered configurations available; TCO Certified configurations available; EPEAT* Gold registered in the U.S. <sup>39</sup> Energy star certified ENERGY STAR* certified  Certification and compliance GS Mark; CSA/UL 62368-1; FCC/ICES/CISPR/VCCI; CE Marking; China CCC/SRRC; Taiwan BSMI/NCC; Korea KCC/KC/KES; Ukraine NSoC/TEC; EAEU Compliance; Saudi Arabian Compliance; Low blue light; WW RoHS  Sustainable impact specifications  1-year warranty and 90 day software limited warranty options depending on country. Batteries have a default one year limited warranty. Refer to http://www.hp.com/support/batterywarranty/ for additional battery information. On-site service and extended coverage is also available. HP Care Pack Services are optional extended service contracts that go beyond the standard limited warranties. To choose the right level of service for your HP product, use the HP Care Pack Services Lookup Tool at:	Power	HP 65 W USB Type-C* slim adapter; 65 W USB Type-C* adapter <sup>38</sup>
Dimensions  31.56 x 22.43 x 1.16 cm (front); 31.56 x 22.43 x 1.61 cm (rear); (Front height measurement is near the front edge where the chassis bottom cover taper begins. Back height measurement is near the back edge where the chassis bottom cover taper ends.)  Weight  Starting at 1.41 kg; (Weight will vary by configuration. Does not include power adapter.)  Ecolabels  EPEAT* registered configurations available; TCO Certified configurations available; EPEAT* Gold registered in the U.S. <sup>39</sup> Energy star certified  ENERGY STAR* certified  Certification and compliance  GS Mark; CSA/UL 62368-1; FCC/ICES/CISPR/VCCI; CE Marking; China CCC/SRRC; Taiwan BSMI/NCC; Korea KCC/KC/KES; Ukraine compliance  NSoC/TEC; EAEU Compliance; Saudi Arabian Compliance; Low blue light; WW RoHS  Low halogen 40  1-year warranty and 90 day software limited warranty options depending on country. Batteries have a default one year limited warranty. Refer to http://www.hp.com/support/batteryvarranty/ for additional battery information. On-site service and extended coverage is also available. HP Care Pack Services are optional extended service contracts that go beyond the standard limited warranty. In Care Pack Services are optional extended service contracts that go beyond the standard limited warranties. To choose the right level of service for your HP product, use the HP Care Pack Services Lookup Tool at:	Battery type	
bottom cover taper begins. Back height measurement is near the back edge where the chassis bottom cover taper ends.)  Weight Starting at 1.41 kg; (Weight will vary by configuration. Does not include power adapter.)  Ecolabels EPEAT® registered configurations available; TCO Certified configurations available; EPEAT® Gold registered in the U.S.39  Energy star certified ENERGY STAR® certified  Certification and compilance GS Mark; CSA/UL 62368-1; FCC/ICES/CISPR/VCCI; CE Marking; China CCC/SRRC; Taiwan BSMI/NCC; Korea KCC/KC/KES; Ukraine NSoC/TEC; EAEU Compliance; Saudi Arabian Compliance; Low blue light; WW RoHS  Sustainable impact specifications  Low halogen 40  1-year warranty and 90 day software limited warranty options depending on country. Batteries have a default one year limited warranty. Refer to http://www.hp.com/support/batterywarranty/ for additional battery information. On-site service and extended coverage is also available. HP Care Pack Services are optional extended service contracts that go beyond the standard limited warranties. To choose the right level of service for your HP product, use the HP Care Pack Services Lookup Tool at:	Battery life	Up to 15 hours and 15 minutes <sup>47</sup>
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Certification and compliance  GS Mark; CSA/UL 62368-1; FCC/ICES/CISPR/VCCI; CE Marking; China CCC/SRRC; Taiwan BSMI/NCC; Korea KCC/KC/KES; Ukraine NSoC/TEC; EAEU Compliance; Saudi Arabian Compliance; Low blue light; WW RoHS  Low halogen <sup>40</sup> 1-year warranty and 90 day software limited warranty options depending on country. Batteries have a default one year limited warranty. Refer to http://www.hp.com/support/batterywarranty/ for additional battery information. On-site service and extended coverage is also available. HP Care Pack Services are optional extended service contracts that go beyond the standard limited warranties. To choose the right level of service for your HP product, use the HP Care Pack Services Lookup Tool at:	Ecolabels	${\sf EPEAT^* registered\ configurations\ available; TCO\ Certified\ configurations\ available; EPEAT^*\ Gold\ registered\ in\ the\ U.S.}^{39}$
compliance  NSoC/TEC; EAEU Compliance; Saudi Arabian Compliance; Low blue light; WW RoHS  Sustainable impact specifications  Low halogen <sup>40</sup> 1-year warranty and 90 day software limited warranty options depending on country. Batteries have a default one year limited warranty. Refer to http://www.hp.com/support/batterywarranty/ for additional battery information. On-site service and extended coverage is also available. HP Care Pack Services are optional extended service contracts that go beyond the standard limited warranties. To choose the right level of service for your HP product, use the HP Care Pack Services Lookup Tool at:	Energy star certified	ENERGY STAR® certified
specifications  1-year warranty and 90 day software limited warranty options depending on country. Batteries have a default one year limited warranty. Refer to http://www.hp.com/support/batterywarranty/ for additional battery information. On-site service and extended coverage is also available. HP Care Pack Services are optional extended service contracts that go beyond the standard limited warranties. To choose the right level of service for your HP product, use the HP Care Pack Services Lookup Tool at:		
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	Warranty	warranty. Refer to http://www.hp.com/support/batterywarranty/ for additional battery information. On-site service and extended coverage is also available. HP Care Pack Services are optional extended service contracts that go beyond the standard limited warranties. To choose the right level of service for your HP product, use the HP Care Pack Services Lookup Tool at:



#### **Footnotes**

#### **Messaging Footnotes**

1 Not all features are available in all editions or versions of Windows, Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. Windows is automatically updated and enabled. High

special internal and Microsoft account required. EPf fees may opply and additional requirements may apply ourse unjoy separately purchased includes purchased includes produced on the entire for updates as peed internal and Microsoft account required. EPf fees may opply and additional requirements may apply ourse. See https://www.indows.com.

\*Multicore is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. Performance and clock frequency will vary depending on application workload and your hardware and software principle and products. In the sumbering, bronding and/or noming is not a measurement of higher performance.

\*Features and software that require an NPU may require software purchase, subscription or enablement by a software or platform provider, and third-party software may have specific configuration or compatibility requirements. Performance varies by use, configuration, and

other factors.

4 Requires myHP application and Windows OS.

<sup>5</sup> Automatic framina is an optional feature that requires Windows 11 OS and a processor equipped with an NPU.

\*Automate training is an optional reduce that requires windows if U.S. and a processor equipped with an N-V.

final\* 50 module is optional and must be configured at the factory, Module designed for 56 SA (standalone), and 56 NR NSA (non-standalone) networks as carriers deploy Evolved-Universal Terrestrial Radio Access New Radio Dual Connectivity (ENDC) with both 100Mhz of 56 NR and LTE channel bandwidth, using 256QAM 4x4 as defined by 3GPP. Module requires activation and separately purchased service contract. Check with service provider for coverage and availability in your area. Data connection, upload and download speeds will vary due to network, location, environment, network conditions, and other factors. Backwards compatible to 4G LTE and 3G HSPA technologies. 5G module planned to be available in select platforms and select countries, where carrier supported.

7HP Wolf Security for Pusiness requires Windows 10 or 11 Pro and higher, includeds various HP security features and is available on HP Pro, Elite, Workstation, and RPOS products. See product details for included security features.

8 Recycled plastic content percentage is based on the definition set in the IEEE 16801-2018 standard.

9 Energy Consumption Meter requires Window 10 and registration for the Workforce Experience platform at https://admin.hp.com. Some features and capabilities may require additional purchase of HP services and/or commercial hardware capable of supporting the HP insights agent for Windows, Mac, & Android. Activation and restrictions may apply. Select HP Workforce Solutions require an HP Insights agent for Windows, Mac, & Android. Activation and restrictions may apply. Select HP Workforce Solutions require an HP Insights agent for Windows, Mac, & Android. Activation and restrictions may apply. Select HP Workforce Solutions require an HP Insights agent for Windows, Mac, & Android. Activation and restrictions may apply. Select HP Workforce Solutions require an HP Insights agent for Windows, Mac, & Android. Activation and this selection is the selection of the sele

http://aka.ms/WindowsAlFeatures.

11 Requires Windows 11 OS.

To Quad HD (OHD) content required to view OHD images. Optional feature that must be configured at time of purchase.

14 Wi-Fi 6E requires a Wi-Fi 6E router, sold separately to function in the 6GHz band. Availability of public wireless access points limited. Wi-Fi 6E is backwards compatible with prior 802.11 specs. And available in countries where Wi-Fi 6E is supported.

15 Wi-Fi\* supporting gigabit data rate is achievable with Wi-Fi 6E (80211ax) when transferring files between two devices connected to the same router. Requires a wireless router, sold separately, that supports 160MHz channels.

#### Specification Footnotes

<sup>1</sup>Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. Windows is automatically updated and enabled. High speed internet and Microsoft account required. ISP fees may apply and additional requirements may apply over time for updates. See http://www.windows.com.

<sup>2</sup>Multicore is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. Performance and clock frequency will vary depending on application workload and your hardware and

A Multicore is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use or units technology, recroimmend and or measurement of higher performance.

3 Processor speed denotes maximum performance mode; processors will run at lower speeds in battery optimization mode.

4 Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See www.intel.com/technology/turboboost for more information.

5 Due to the non-industry standard nature of some third-party memory modules, we recommend HP branded memory to ensure compatibility. If you mix memory speeds, the system will perform at the lower memory speed.

6 For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 30 GB (for Windows 10 and 11) is reserved for system recovery software.

7 W-F16 E requires a WI-F16 E router, and Windows 11, to function in the 6GHz band. Availability of public wireless access points limited. Wi-F16 E is backwards compatible with prior 802.11 speeds. And available in countries where Wi-F16E is supported.

\*Wi-Hi & requires a Wi-Hi & router, and Windows 1t, to function in the 66Hz band. Availability of public wireless access points limited. Wi-Hi & is backwards compatible with prior 802:11 specs. And available in countries where Wi-Hi & is supported.

\*Windows 1t, or wireless between to a wireless between the wireless and availability in your area. Connection speeds will vary due to location, environment, network conditions, and other factors. 46 LIE not available on all products, in all regions.

\*\*To a wireless between the wireless between the wireless access points in mitted. Wi-Hi & is backwards compatible with prior 802:11 specs. And availability in your area. Connection speeds will vary due to location, environment, network conditions, and other factors. 46 LIE not available on all products, in all regions.

\*\*To a wireless between the wireless are a wireless between the wireless are a wireless between the wireless are a wireless and a wireless between the wireless are a wireless and a wireless between the wireless are a wireless and a wireless between the wireless are a wireless and a wireless and a wireless are a wireless and a wireless and a wireless are a wireless and a wireless and a wireless are a wireless and a wireless and a wireless and a wireless are a wireless and a wire network conditions, and other factors. Backwards compatible to 4G LTE and 3G HSPA technologies. 5G module planned to be available in select platforms and select countries, where carrier supported.

11 USB 20Gbps speed is not available with Thunderbolt\*\* 4.

USB ZUOPS Speers is not available with number point. 4.

2 SIM slot is not user accessible without WWAN configuration.

3 Backlit keyboard is an optional feature.

4 Sold separately or as an optional feature.

5 WUXGA content required to view WUXGA images.

Resolutions are dependent upon monitor capability, and resolution and color depth settings

17 HP Sure View Reflect integrated privacy screen is an optional feature that must be configured at purchase and is designed to function in landscape orientation.

18 Actual brightness will be lower with touchscreen or Sure View.

19 Alt specifications represent the typical specifications provided by HPs component manufacturers; actual performance may vary either higher or lower.

20 HP Services Scan is preinstalled and/or provided thru Windows Update and checks for service entitlement on each hardware device and downloads the HP insights agent automatically. To disable this feature, please follow the instructions at http://www.hpdacs.com/requirements. The HP insights agent is a telemetry and analytics platform that provides critical data around devices and applications and is not sold as a standalone service. Select HP Workforce Solutions require an HP Insights agent for Windows, Mac, &

Android, available for download at https://admin.hp.com/software. For full system requirements and services that require the agent, please visit https://admin.hp.com/requirements. The agent collects telemetry and analytics around devices and applications that integrate into the Workforce Experience platform and is not sold as a standalone service. Internet access with connection to the Workforce Experience platform is required. HP follows stringent GDPR privacy regulations, and the platform is ISO27001, ISO27017 and SOC2 Type2 certified for Information Security Not available in China

To minorination resource, Not consider in Clinia.

2º HP Cloud Recovery is available for Z by HP, HP Elite and Pro desktops and laptops PCs with Intel® or AMD processors and requires an open, wired network connection. Note: You must back up important files, data, photos, videos, etc. before use to avoid loss of data. Detail please refer to: https://support.hp.com/us-en/document/c05115630 .

23 HP Manageobility Integration Kit can be downloaded from http://www.hp.com/go/clientmanagement.
24 HP Patch Assistant available on select HP PCs with the HP Manageability Kit that are managed through Microsoft System Center Configuration Manager. HP Manageability Integration Kit can be downloaded from http://www8.hp.com/us/en/ads/clientmanagement/overview.html

EMP Sure Admin requires HP G8 or newer platforms, Windows 10 or higher, HP BIOS, HP Manageability Kit or KMS Service from http://www.hp.com/go/clientmanagement and HP Sure Admin Local Access Authenticator smartphone app from the Android or Apple store.

HP Sure Click requires Windows 10 and higher. See https://bit.ly/2PrtT6A\_SureClick for complete details.

HP Sure Recover is available on select HP PCs and requires Windows 10 or 11 and an open network connection. You must back up important files, data, photos, videos, etc. before using HP Sure Recover to avoid loss of data.

\*\* In Sure Necover to avoid before the Post and requires windows to or 1 and an open network connection, for unust back up important rises, data, priotes, videos, etc. before using FIP Sure Recover to dvoid loss or data.

\*\*B FIR Sure Run Gent is avoidable on select HIP Post and requires Windows 10 and higher. See product specifications for avoidability. On units with WWAN shipping to China, HP Sure Sense is only available via Softpaq download.

\*\*Secured-Core PC Enable requires an Intel® VPro", AMD Ryzen" Pro processor or Qualcomm® processor with SD850 or higher and requires 8 GB or more system memory, Secured-core PC is enabled from the factory.

\*\*Absolute firmware module is shipped turned off and can only be activated with the purchase a license subscription and full activation of the software agent. License subscriptions can be purchased for terms ranging multiple years. Service is limited, check with Absolute for availability outside the U.S. Certain conditions apply. For full details visit: https://www.absolute.com/about/legal/agreements/absolute/

\*\*HP BIOSphere Gent Features may vary depending on the platform and configuration.

\*\*HP BIOSphere Gent Features may vary depending on the platform and configuration.\*\*

\*\*HP Sure Recombination of the software agent is provided by the platform with late!\*\*Cetagors\*\*

39 HP Secure Erase implements the methods outlined in the National Institute of Standards and Technology Special Publication 800-88" "Clear" sanitation method. HP Secure Erase does not support platforms with Intel" Optane".

34 HP Fingerprint Sensor is an optional feature and requires configuration at purchase.

36 Features and software that require a NPU may require may requir

38 Recharges up to 50% within 30 minutes when the system is off or in standby mode when used with the power adapter provided with the notebook. Power adapter minimum of 65 watts required for battery capacities 56Whr or less. Power adapter minimum of 100 watts required for battery capacities greater than 56Whr and less than 83Whr. Power adapter minimum of 120 watts required for battery capacities greater than 83Whr and less than 90Whr. Power adapter minimum of 120 watts required for battery capacities greater than 83Whr and less than 90Whr. Power adapter minimum of 120 watts required for battery capacities greater than 83Whr and less than 90Whr. Power adapter minimum of 120 watts required for battery capacities greater than 83Whr and less than 90Whr. Power adapter minimum of 120 watts required for battery capacities greater than 85Whr and less than 100Whr. After charging has reached 90% capacity, charging speed will return to normal. Charging time may vary +/10% due to System tolerance.

37 Actual battery Watt-hours (Wh) will vary from design capacity, Battery capacity will naturally decrease with shelf life, time, usage, environment, temperature, system configuration, loaded apps, features, power management settings and other factors.

38 Availability may vary by country.
39 Based on US EPEAT\* registration according to IEEE 1680.1-2018 EPEAT\*. Status varies by country. Visit www.epeat.net for more information

40 External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.

11 Intel® Graphics capabilities require system to be configured with Intel® Core® Ultra 5 or Ultra 7 processors and dual channel memory. Single channel memory will only function as Intel® ARC graphics.

<sup>42</sup> HP Tamper Lock must be enabled by the customer or your administrator.

\*\*HP Temper Lock must be enabled by the customer or your duministration.

\*\*A Lock is sold separately.

\*\*A Lock is sold separ

allow me system to balance changing between battery realin and battery during a bit support in the continue both and reduce exposure to those factors that can accelerate battery degradation. Or update or change HP BHM settings and for complete details, see https://support.hp.com/us-en/document/lish\_44x9993/39150736766

4 Windows MM18 battery life will vary depending on various factors including product model, configuration, loaded applications, features, use, wireless functionality, and power management settings. The maximum capacity of the battery will naturally decrease with time and usage. See www.bapco.com for additional details.

5 HP Wolf Security for Business requires Windows 10 or 11 Pro or higher, includes various HP security features and is available on HP Pro, Elite, RPOS and Workstation products. See product details for included security features.

5 HP Smart Support requires the HP agent to be installed. For more information about how to enable or to download HP Smart Support, please visit http://www.hp.com/smart-support.HP Services Scan is provided thru Windows Update and will check entitlement on each hardware device to determine if an HP agent renabled service has been purchased, and will download applications and is not sold as a standalone service. HP follows stringent GDPR privacy regulations and is ISO27001, ISO27017 and SOC2 Type2 certified for Information Security, Internet access is required. For full system requirements or to disable this feature, please visit http://www.hpdaas.com/requirements.

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